

signal indicates an operation of the switch.

84. The apparatus of claim 22 wherein all of the area of the second polygon lies within the first polygon.

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85. An apparatus for selecting a menu option from a plurality of pluralities of menu options, said apparatus comprising:

- (a) a surface;
- (b) means for delimiting a plurality of selectable regions on the surface, the plurality of selectable regions together at least partially circumscribing a region on the surface;
- (c) a pointer, responsive to the movement of a body member of an operator, for indicating successive locations on the surface;
- (d) sensor signal receiving means for receiving a sensor signal; and
- (e) selection means
 - (1) responsive to the sensor signal, for associating each of the selectable regions respectively with the menu options of one of the plurality of menu options, and
 - (2) responsive to a dwell event, for selecting the menu option associated with the selectable region intersected by one of the successive locations indicated by the pointer.

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86. The apparatus of claim 85 further comprising indicating means for indicating which plurality of menu options is associated with the selectable regions.

87. The apparatus of claim 85 wherein the selection means is further responsive to the sensor signal equalling or exceeding a predetermined signal level.

88. The apparatus of claim 87 wherein the selection means is further responsive to the sensor signal equalling or exceeding the predetermined signal level for a predetermined period.

89. In a human interface system wherein a body member of an operator may indicate a location on a surface, a menu option selector comprising:

- (a) the surface including a display area, the display area having thereon a plurality of pluralities of selectable regions, each of the pluralities of selectable regions at least partially

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- circumscribing a region on the display area;
- (b) a sensor for sensing an actual or attempted muscle activation of the operator and, responsive thereto, for associating each selectable region of a particular one of the pluralities of selectable regions respectively with a menu option;
- (c) a clipper for generating, in response to the location indicated by the body member of the operator indicating a location outside the particular plurality of selectable regions and its circumscribed region, a clipped location indicative of a location intersecting the particular plurality of selectable regions; and
- (d) a selector for selecting, in response to a selection event, the menu option associated with the selectable region intersected by the clipped location.

Respectfully submitted,

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